File 344:Chinese Patents Abs Aug 1985-2002/Oct
(c) 2002 European Patent Office
File 347:JAPIO Oct 1976-2002/Jun(Updated 021004)
(c) 2002 JPO & JAPIO
File 350:Derwent WPIX 1963-2002/UD,UM &UP=200270
(c) 2002 Thomson Derwent

Set	Items	Description
S1	3	AU='RUGGIERO A J'

1/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014435607 **Image available**
WPI Acc No: 2002-256310/200230
XRPX Acc No: N02-198305
Remotely interrogated high data rate free space laser communications link, remotely extracts information from communications station by interrogation with low power beam
Patent Assignee: UNIV CALIFORNIA (REGC)
Inventor: **RUGGIERO A J**
Number of Countries: 095 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200178262	A2	20011018	WO 2001US11197	A	20010406	200230 B
US 20010035995	A1	20011101	US 2000195730	P	20000407	200230
			US 2001827454	A	20010406	
AU 200151384	A	20011023	AU 200151384	A	20010406	200230

Priority Applications (No Type Date): US 2000195730 P 20000407; US 2001827454 A 20010406
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200178262	A2	E	38	H04B-010/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20010035995	A1		H04B-010/00	Provisional application US 2000195730
AU 200151384	A		H04B-010/00	Based on patent WO 200178262

Abstract (Basic): WO 200178262 A2
NOVELTY - The system remotely extracting information from a communications station by interrogation with a low power beam. Nonlinear phase conjugation of the low power beam results in a high power encoded return beam that automatically tracks the input beam and is corrected for atmospheric distortion. Intracavity nondegenerate four wave mixing is used in a broad area semiconductor laser in the communications station to produce the return beam.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method
USE - For communication using optical phase conjugation to establish communications link
ADVANTAGE - Provides low probability of interception, detection or jamming
DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of arrangement where the mobile platform is a geosynchronous satellite forming communications links with several mobile platforms.
pp; 38 DwgNo 3/6
Title Terms: REMOTE; INTERROGATION; HIGH; DATA; RATE; FREE; SPACE; LASER; COMMUNICATE; LINK; REMOTE; EXTRACT; INFORMATION; COMMUNICATE; STATION; INTERROGATION; LOW; POWER; BEAM
Derwent Class: S02; V08; W02; W05
International Patent Class (Main): H04B-010/00
File Segment: EPI

1/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010245141 **Image available**
WPI Acc No: 1995-146396/199519
Related WPI Acc No: 1993-008250
XRPX Acc No: N95-114920

Shower curtain corner support - has body member supported by curtain rod, with beam cantilevered from body member supporting end portion of curtain, and device transferring moment generated by curtain end portion

Patent Assignee: RUGGIERO A J (RUGG-I)
Inventor: **RUGGIERO A J**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5402842	A	19950404	US 91751100	A	19910828	199519 B
			US 93166309	A	19931210	

Priority Applications (No Type Date): US 93166309 A 19931210; US 91751100 A 19910828
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5402842	A		9	A47H-001/00	CIP of application US 91751100 CIP of patent US 5170974

Abstract (Basic): US 5402842 A

The support includes a body member supported for movement along the curtain rod which has an axis parallel to the curtain rod. There is a beam cantilevered from the body member, with a central portion which extends away from the body member and a free end, which is perpendicular to the axis of the body member, which supports the end portion of the curtain.

There is a moment transferring device for transferring a moment generated by the end portion of the curtain and the beam from the body member to the curtain rod to prevent the body member from rotating about the curtain rod. There is also an attachment device affixed to at least one curtain rod end for transferring torque from the curtain rod to at least one of the vertical walls of the enclosure to maintain the inner beam in an approximately horizontal plane.

ADVANTAGE - Provides shower curtain corner supports which resist the moment generated by the end portions of the shower curtain and maintain the horizontal or top edge of the shower curtain in a horizontal plane throughout its length.

Dwg.1/9

Title Terms: SHOWER; CURTAIN; CORNER; SUPPORT; BODY; MEMBER; SUPPORT; CURTAIN; ROD; BEAM; CANTILEVER; BODY; MEMBER; SUPPORT; END; PORTION; CURTAIN; DEVICE; TRANSFER; MOMENT; GENERATE; CURTAIN; END; PORTION
Derwent Class: P27
International Patent Class (Main): A47H-001/00
File Segment: EngPI

1/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009314786 **Image available**
WPI Acc No: 1993-008250/199301
Related WPI Acc No: 1995-146396
XRPX Acc No: N93-006257

Shower curtain corner support - uses counterweight attached to outward beam of corner support to maintain it in parallel relation to floor when curtain attached

Patent Assignee: RUGGIERO A J (RUGG-I)
Inventor: **RUGGIERO A J**
Number of Countries: 038 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week

US 5170974	A	19921215	US 91751100	A	19910828	199301	B
WO 9304620	A1	19930318	WO 92US7307	A	19920828	199312	
AU 9225621	A	19930405	AU 9225621	A	19920828	199330	
EP 602162	A1	19940622	EP 92919534	A	19920828	199424	
			WO 92US7307	A	19920828		
CA 2116438	C	19960206	CA 2116438	A	19920828	199616	
EP 602162	B1	19960417	EP 92919534	A	19920828	199620	
			WO 92US7307	A	19920828		
DE 69210032	E	19960523	DE 610032	A	19920828	199626	
			EP 92919534	A	19920828		
			WO 92US7307	A	19920828		
ES 2085647	T3	19960601	EP 92919534	A	19920828	199629	

Priority Applications (No Type Date): US 91751100 A 19910828
Cited Patents: CA 1272439; US 3497905; US 4461056
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5170974	A		13	A47H-001/14	
WO 9304620	A1	E	30	A47K-003/22	
Designated States (National): AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO PL RO RU SD SE US					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA SE					
AU 9225621	A			A47K-003/22	Based on patent WO 9304620
EP 602162	A1	E	30	A47K-003/22	Based on patent WO 9304620
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI NL					
EP 602162	B1	E	19	A47K-003/22	Based on patent WO 9304620
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI NL SE					
DE 69210032	E			A47K-003/22	Based on patent EP 602162 Based on patent WO 9304620
ES 2085647	T3			A47K-003/22	Based on patent EP 602162
CA 2116438	C			A47H-013/00	

Abstract (Basic): US 5170974 A

The shower curtain corner support device consists of a short bar beam which can be attached to the standard rod by an expanding snap on clip. This beam is oriented at an approximately right angle to the standard curtain rod and will extend into the stall area. The beam has suspended from it a portion of a shower curtain. The curtain bends around the side edge of the stall area forming a seal to prevent water or spray from escaping the stall at the edges when the corner support is slid to the wall. To the outward end of the beam is attached another outer beam connected to a counterweight.

The counterweight counterbalances the weight of the inner beam bar when the curtain is attached to the beam in order to hold thebeam in a horizontal position and the corner curtains straight.

USE - To seal the shower area to prevent water and spray from escaping around the edges of a standard shower curtain.

r

Dwg.2/9

Title Terms: SHOWER; CURTAIN; CORNER; SUPPORT; COUNTERWEIGHT; ATTACH; OUTWARD; BEAM; CORNER; SUPPORT; MAINTAIN; PARALLEL; RELATED; FLOOR; CURTAIN; ATTACH
Derwent Class: P27; P28
International Patent Class (Main): A47H-001/14; A47H-013/00; A47K-003/22
International Patent Class (Additional): A47H-001/122; A47H-001/142
File Segment: EngPI